

WHAT DOES EACH LAYER DO, YOU ASK?

EPIDERMIS

1. **Cell Factory:** Makes new cells after old ones flake off.
2. **Paint Shop:** Makes melanin, which is what gives skin its color.
3. **Body Guard:** Has special cells that help keep you healthy.

DERMIS

1. **Sweat Machine:** It has sweat glands, which are like pockets, that make sweat. The sweat comes out through your pores, keeping you cool and getting rid of bad stuff.
2. **Messenger:** There are nerve endings that message your brain so you know how something feels, like if it hurts or is too hot.
3. **Garden:** This is where the roots of your hair are located and where they grow from.
4. **Oil Shop:** Glands in the dermis create oil that keep your skin soft, smooth, and waterproof.
5. **Importer/Exporter:** Blood comes into the dermis and feeds your skin (import) and takes away the bad stuff from it through blood vessels (export).

SUBCUTANEOUS FAT

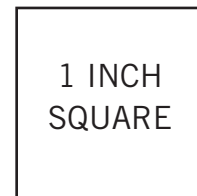
1. **Glue:** A special layer of tissue here connects the dermis to your bones and muscle.
2. **Thermometer:** This layer help keep your body from getting too warm or too cold.
3. **Storage:** Fat is stored to protect your muscles and bones from bumps and bangs.

INTERESTING FACTS

➡ Your body has about 19 million skin cells!

➡ Your skin loses about 30,000 to 40,000 old skin cells a day. But don't worry! Your skin keeps making cells. New skin cells last for about a month before they fall off.

➡ On 1 square inch of skin, we have 650 sweat glands!



➡ Skin cells change shape! They start fat and square, but as they move to the top of the epidermis, they get flatter until they finally flake off!

➡ All the dead skin cells are on top! You have about 18-23 thin layers of dead skin cells!